



## ABSTRACT

$\beta^1$  The present invention is directed to microparticles, to microparticle compositions containing the same, to methods of forming the same, and to uses for the same, including use for a vaccine, for raising an immune response, for treatment of a disease and for diagnosis of a disease. The microparticles comprise a biodegradable polymer, such as a poly( $\alpha$ -hydroxy acid), a polyhydroxy butyric acid, a polycaprolactone, a polyorthoester, a polyanhydride, or a polycyanoacrylate, and a detergent selected from a cationic detergent and an anionic detergent. The microparticles further comprise an antigen adsorbed on the surface of the microparticle.